

## CASE STUDY

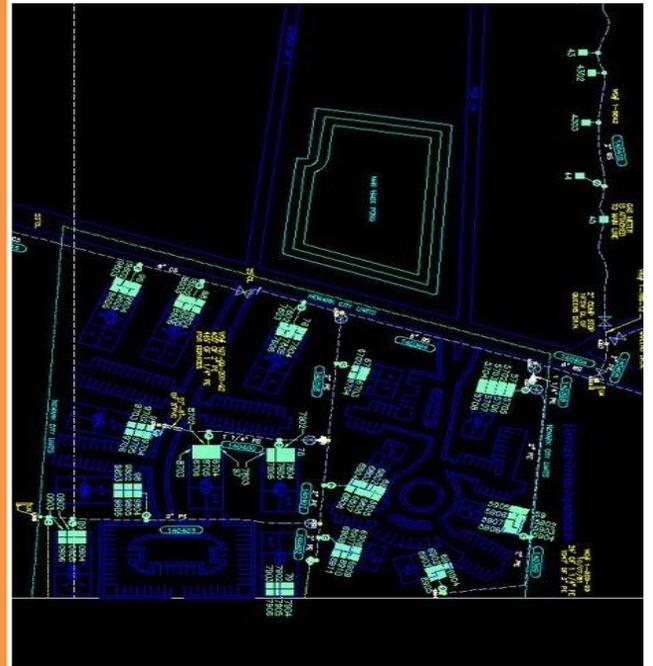
**Project: Data Capturing of Gas and Water Distribution Network**  
**Customer: Utility Distribution Company (for Gas/Water/Electricity), Europe**

### Requirement

The customer, a leading utility distribution company in Europe, required the vectorization of gas and water pipes on their pre-digitized ground cadaster map as per the dimension. The customer possesses scanned images having both gas and water information and vectorized ground cadaster map.

### Solution Offered

- AABSyS digitized parts of a gas distribution network which included pipeline specifications. The plots of scanned images were used as reference.
- The gas and water pipe lines were digitized in separate files as per the dimension with reference to the ground cadaster map.
- A tailored routine program was developed in Auto LISP which was then used for automated execution of the dimensioning and transformation of entities to their specified layers.
- The relevant objects such as plots, houses, streets and their respective numbering were grouped. The drawing files were merged to one deliverable.
- Finally two merged files of both gas and water were delivered.



### Technology Used

- AABSyS used heads up digitization for conversion of the products. AABSyS team used techniques such as manual digitizing, coordinate conversion, rubber sheeting and merging for timely completion of the project.
- Few indigenous auto lisp routines were developed in order to expedite the drafting process and assure quality assured floor plans.
- The team at AABSyS used up-to dated software such as AutoCAD, Estate Manager, Archibus, Admin, etc. to complete the given task.
- AABSyS was in continuous correspondence with the clients in order to solve any queries.

### Client's Advantage

- The team at AABSyS quickly understood the requirements and expectations of the project and AABSyS completed the project in the stipulated time frame.
- The client one of the largest utility distribution companies in Europe appreciated the project execution in a time bound and cost effective manner for easy maintenance and monitoring of their city gas distribution network.
- The indigenous online query management system ensured that only relevant questions were asked by the AABSyS team.
- The team at AABSyS ensures that the project was completed in least possible time frame.